

TOP SECRET

191836Z

PRIORITY

25X1

25X1

REFERENCE: [] TECHNICAL MEMO NO. 12, DATED 17 JANUARY 1963.

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19 FEB 1963

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1. [] HAS MADE A NEW DETERMINATION OF THE SIZE OF THE FENCED AREA AND THE OBJECT ORIGINALLY CONSIDERED TO BE A STATIC TEST STAND ([] ANALYSTS DO NOT NOW BELIEVE IT TO BE THIS TYPE OF FACILITY. RATHER, IT IS VIEWED AS BEING PART OF THE PETROLEUM PROCESSING COMPLEX LOCATED NEAR BY). THE NEW FIGURES ARE AS FOLLOWS:

HFS ☒
CS ☒
SCL ☒
CIC ☒
FILE

FENCED AREA 2100' X 1970'

STATIC TEST STAND 250' X 120'

THESE FIGURES AGREE WITH ONES DETERMINED BY [], WHICH ARE:

25X1

FENCED AREA 2100' X 2050'

STATIC TEST STAND 250' X 100'

THE 80' DISCREPANCY FOR THE ONE SIDE OF THE FENCED AREA CAN BE ATTRIBUTED TO SELECTION OF DIFFERENT IMAGES FOR FENCE CORNERS. THE 20' DIFFERENCE FOR THE STATIC TEST STAND IS REASONABLE CONSIDERING THAT THE ALTITUDE OF THE CAMERA STATION IS OVER 1,200,000', (SOMEWHAT HIGHER THAN USUAL) WHICH, THEREFORE, CAUSES A LARGER

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GROUP 1
Excluded from automatic
downgrading and
declassification

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THAN NORMAL POINTING ERROR - IN TERMS OF ACTUAL GROUND DISTANCE. MEASUREMENTS WERE MADE WITH THE MANN COMPARATOR AND HAND REDUCED WITH SCALE CORRECTIONS MADE FOR IMAGE POSITION ON THE FILM, AND FOR PITCH AND ROLL. NADIR POINT SCALE WAS BASED ON THE VALUE GIVEN IN THE FINAL "EPHEMERIS AND CAMERA ORIENTATION DATA FOR MISSION 9032" (NPIC/TP-10/62). THE ALTITUDE SO OBTAINED IS 1,243,650. THIS COMPARES VERY CLOSELY WITH ONE USED BY NAMELY 1,243,275. THE COMPUTATIONS WERE HAND REDUCED AND THE FACTORS OF VEHICLE VELOCITY AND SCAN RATE WERE NOT USED. AS EXPERIENCE HAS SHOWN THAT THESE TWO FACTORS HAVE ONLY A VERY MINOR EFFECT ON DISTANCES OF THE LENGTH INVOLVED, IT IS NOT CONSIDERED THAT THEIR OMISSION AFFECTS AGREEMENT WITH VALUES.

25X1

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2. THE DISCREPENCIES BETWEEN THE ORIGINAL VALUES GIVE IN NPIC/R141/62 AND THOSE GIVEN ABOVE (AND ALSO THOSE DETERMINED BY PROBABLY OCCURS BECAUSE THERE WAS APPARENTLY A TRANSPOSITION IN THE FIGURES OF THE ORIGINAL SCALE VALUE. THIS VALUE IS GIVEN IN THE NPIC REPORT AS 1:560,000, WHERE AS 1:650,000 WOULD BE VERY NEARLY CORRECT.

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